

**TO SUBSTITUTE ONE BEARING THE SAME NUMBER & DATE**

NIT No. JNMCH/Ophth./01/2018-19  
Dated: 10.05.2018

D.No. 155/MCH  
Dated: 10.05.2018

**CORRIGENDUM**

Reference Tender No. JNMCH /Ophth. /01/2018-19 issued vide No D-155/MCH dated 10/05/2018 inviting bids for **Advance Phaco Emulsification System & Corneal Topography System**. The modified/revised specification for the purchase of **Advance Phaco Emulsification System** are as follows. Remaining contents of the aforesaid tender will remain the same.

**ADVANCE PHACO EMULSIFICATION SYSTEM**

**Technical Specifications**

**1. PHACO EMULSIFICATION (TORSIONAL PHACO HAND PIECE WITH INTELLIGENT PHACO) :**

- Submodes: Continuous Burst Pulse
- Longitudinal Tip Stroke @100%: 0.84 ± 0.018 cm (.0033 ± .007 in)
- Resonant Frequency: 30 kHz to 60 kHz
- Torsional Tip Stroke @100%: 0.069 ± 0.0023 cm (.0027 ± .0009 in)
- Resonant Frequency: 30 kHz to 60 kHz
- Pulse Rate Range: 1-250 pps
- On Time 0-100%
- Burst on Time: 2-500 ms
- Burst off Time: 2500-0 ms
- **Intelligent Phaco-- Longitudinal tip stroke & torsional tip stroke combined in single handle, automatic change over from longitudinal to torsional mode by assessing hardness of cataract & vice versa.**

**2. ACTIVE FLUIDICS TECHNOLOGY**

**3. ANTERIOR VITRECTOMY**

- Submodes: 23G Anterior Vitrectomy
- Vitrectomy probe : 1 to 4,000 cpm

**4. DIATHERMY (COAGULATION)**

- 10 watts max, 75 ohm load
- 76 Vpp @ 1.5 MHz ± 5%, 75 ohm load
- Waveshape: Sinusoidal

**5. VACUUM:**

- Phacoemulsification: 0-700 mmHg max
- Vitrectomy: 0-700 mmHg max
- Irrigation/Aspiration: 0-700 mmHg max

**6. Power IV Pole:**

- Height Range: 20 to 110 cm

**7. IOP CONTROLLED INFUSION:**

- Range: 26-110 mmHG (35-150 cmH<sub>2</sub>O (35-147 hpa))
- Accuracy: ± 20% of setpoint or ± 15 mmHg (20 hpa)
- Aspiration Flow Rate: 0-60 cc/min
- Usable Fluid Volume: ≥ 350 cc

**8. PROPORTIONAL AND CONTINUOUS REFLUX**

- Pressure Range: 26 to 140 mmHg
- Pressure Accuracy: ± 10% of setpoint + 5 mmHg
- Total Available Reflux Volume: 7 cc replenishable via aspiration

**9. AUTOINSERTION IOL INJECTOR**

**10. FOOTSWITCH:**

- Foot switch Construction should be water tight in compliance

**Important Note:**

1. Specification of Phaco machine as mentioned in tender must be supported by original manufacturer on the company pad.
2. Any firm given wrong information, their tender will be cancelled and the firm will be blacklisted.

(Prof. Haris M. Khan)

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